2005 International Workshop on Multi-Robot Systems

Monday, 14 March

Government Programs
9:00	Marc Steinberg	Office of Naval Research
9:30	Sharon Heise	Air Force Office of Scientific Research
10:00	Jon Bornstein	Army Research Lab
10:30	**break**	
11:00	Estrellina Pacis	SPAWAR
11:30	Discussion	Government Speakers

12:00 - 1:30 **Lunch**

Task Allocation
1:30	Greg Covey	The generation of bidding rules for auction-based robot coordination
2:00	Julie Adams	Issues in multi-robot coalition formation
2:30	Maxim Batalin	Sensor network-mediated multi-robot task allocation
3:00	**break**	

Information / Sensor Sharing and Fusion
3:30	Maayan Roth	Decentralized communication strategies
4:00	Tucker Balch	Improving multirobot multitarget tracking
4:30	Lynne Parker	Enabling autonomous sensor-sharing
5:15	Bus departs to hotel; RECEPTION IS ON TUESDAY NIGHT	

Tuesday, 15 March

Coordination in Dynamic Environments
9:00	Zhihua Qu	
		Multi-objective cooperative control of dynamical systems
9:30	Colin McMillen	
		Levels of multi-robot coordination for dynamic environments
10:00	Brian Gerkey	Parallel stochastic hill-climbing with small teams
10:30	**break**	
11:00	Colin Cherry	Toward versatility of multi-robot systems

Distributed Mapping and Coverage
11:30	Francesco Amigoni	Merging partial maps without using odometry
12:00	Ioannis Rekleitis	Distributed coverage of unknown/unstructured environments by mobile sensor networks

12:30 - 2:00 **lunch**

Tuesday, 15 March (Continued)

Applications

2:00	Diana Spears	Multi-robot chemical plume tracing
2:30	L. Chaimowicz	Deploying air-ground multi-robot teams in urban environments
3:00	Ashley Stroupe	Precision manipulators with coorperative Robots

3:30 - 5:00 **Poster session**

5:15 Bus departs to hotel

6:30 - 9:30 **RECEPTION**   **Radisson Hotel, Jefferson Room**

Wednesday, 16 March

Human-Robot Interaction

9:00	Michael Goodrich	Task switching and multi-robot teams
9:30	Brennan Sellner	User modeling for principled sliding autonomy in human-robot teams
10:00	Discussion on HRI in multi-robot domains	
10:30	**break**	

Motion Planning and Control

11:00	James Bruce	Motion planning with safe dynamics
11:30	Rafael Fierro	A multi-robot testbed for biologically-inspired cooperative control

12:00 - 1230 **wrap up**

12:30 Bus departs to hotel